

REMARKS

The Applicants do not believe that examination of the foregoing amendment will result in the introduction of new matter into the present application for invention. Therefore, the Applicants, respectfully, request that the above amendment be entered in and that the claims to the present application, kindly, be reconsidered.

The Office Action dated September 8, 2005 has been received and considered by the Applicants. Claims 1-8 are pending in the present application for invention. Claims 1-3 and 5-8 are rejected by the September 8, 2005 Office Action. Claim 4 is objected to as being based upon a rejected base claim but otherwise stated as being allowable.

The Office Action states that the specification is deficient of titles for the various sections. The Examiner suggests that specification headings be added to the specification. The Applicants, respectfully, point out that 37 CFR 1.77(b) provides a suggestion for specification headings; however, there is no requirement that the specification contain headings. It is only required that the information appear in the order stated by 37 CFR 1.77(b). Therefore, the Applicants, respectfully decline to add the section headings.

The Examiner objects to the Abstract for containing reference numerals and "Fig. 3". The foregoing amendment to the specification has corrected the Abstract.

The Office Action objects to Figure 1 for not containing names for the various items. A replacement drawing sheet with a corrected Figure 1 is submitted herewith.

The Office Action rejects Claim 1-3 and 7-8 under the provisions of 35 U.S.C. §102(e), as being anticipated by U.S. Patent No. 6,026,165 issued in the name of Marino et al. (hereinafter referred to as Marino et al.).

The Office Action asserts that Marino et al. discloses the subject matter redefined by rejected Claim 1. Specifically, the Examiner states that Marino et al. discloses sending encrypted data with a key to all receivers with the associated device key at col. 5, lines 31-50. The Examiner further alleges that Marino et al. discloses and the receivers receiving the key block and encrypted data and the first descriptor for

retrieving the key and the second decoder for decoding the message at col. 5, lines 50 - 67. The Applicants, respectfully, point out that Marino et al. do not disclose or suggest that transmitter sending a key block or the receiver receiving a key block. Marino et al. disclose that each of the transmitting devices randomly generate an encryption key (see col. 5, lines 37-39). The receiving devices, as taught by Marino et al., receive "an encryption key" (see col. 5, line 52). The key as taught by Marino et al. is created by a random key generator.

The secure communication system as taught by Marino et al. uses a device identification code and a transmission sequence number. The transmission sequence number is transmitted in an encrypted form. The encryption key is used to decrypt the sequence number. If the decrypted sequence number is within a range of the transmitted sequence number then the decrypted received data message is transmitted to a control unit associated with the receiver (see col. 5, lines 58-67).

The Applicants, respectfully, assert that the teaching of Marino et al. is very similar to the prior art as discussed by the specification to the present invention on page 5, line 14-page 6, line 4. The Applicant, respectfully, point out that there are numerous differences between the teachings of Marino et al. and rejected Claim 1. For example, rejected Claim 1 defines a transmission system including a transmitter for transmitting to all receivers the same data encrypted under control of a same authorization key, this subject matter is not taught or suggested by the disclosure of Marino et al. The receivers as defined by rejected Claim 1 receive the same key block with a plurality of entries, where each entry is associated with a respective different device key, at least some of the entries containing a representation of the authorization key encrypted with the associated device key. Marino et al. teach randomly generating a key prior each transmission as discussed in the description to the prior art in the specification to the present invention on page 5, line 14-page 6, line 4. There is no disclosure or suggestion within Marino et al. for a transmission system that transmits to all receivers the same data encrypted under control of a same authorization key

Rejected Claim 1 further defines that the receiver being is associated with a set of a plurality of device keys. There is no disclosure or suggestion within Marino et al. for the receiver to be associated with a plurality of device keys. Rejected Claim 1 further defines that the receiver has means for receiving the key block, Marino et al. only discloses receiving an encryption key. Therefore, this rejection is traversed.

Rejected Claim 2 defines subject matter for a transmission system wherein the set of device keys associated with each respective one of the receivers is unique for the receiver. As discussed in the response to the rejection for rejected Claim 1, there is no set of keys within Marino et al. that is associated with each receiver. Marino et al. clearly teach to use only a single key. Therefore, this rejection is traversed.

Claim 3 defines subject matter the transmitter being operative to disable decryption of the data in a receiver by changing the authorization key and transmitting a key block wherein entries associated with device keys which are associated with a receiver to be revoked contain values other than the representation of the authorization key encrypted with the associated device key. Marino et al. do not teach transmitting key blocks. Therefore, this rejection is traversed.

Regarding Claims 7 and 8, the Examiner alleges that Marino et al. disclose wherein the transmitter transmits to all receivers the same key block and a device ID. The Applicants, respectfully, point out that Marino et al. make no disclosure or suggestion for transmitting a key block.

Furthermore, rejected Claim 7 defines where each entry is associated with a respective different device key. There is no disclosure or suggestion within Marino et al. for each entry being associated with a respective different device key.

Rejected Claim 8 defines subject matter for the receiver being associated with a set of a plurality of device keys which is not disclosed or suggested by Marino et al. Additionally, Claim 8 defines the receiver including means for receiving a key block which is the same for all receivers in the system which is not disclosed or suggested by Marino et al. There is no disclosure or suggestion by Marino et al. for the receiver being is associated with a set of a plurality of device keys, the key block including a plurality of entries, where each entry is associated with a respective different device key.

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Therefore, this rejection is traversed.

The Office Action rejects Claim 5-6 under the provisions of 35 U.S.C. §103(a), as being obvious over Marino et al. in view of U.S. Patent No. 6,118,873 issued in the name of Lotspiech et al. (hereinafter referred to as Lotspiech et al.).

Regarding Claim 5, the Examiner admits that Marino et al. do not teach renewing of device keys. The Examiner states that Lotspiech et al. teach renewing of device keys on Col. 6, lines 13-23. The Applicants, respectfully, point out that Claim 5 defines subject matter for a third decryptor for decrypting the set of encrypted device keys under control of a fixed device key that is unique for the receiver. There is no disclosure or suggestion for a third decryptor as defined by rejected Claim 5 Lotspiech et al.. Therefore, this rejection is traversed.

Regarding Claim 6, the Examiner alleges that Lotspiech et al. disclose broadcasting in real time. The Applicants, respectfully, disagree. There is no disclosure or suggestion for broadcasting in real time by Lotspiech et al. Therefore, this rejection is traversed.

New Claims 9-20 have been added by the foregoing amendment. Claims 9-16 define subject matter that is similar to Claim 1-8, previously discussed, and believed to be allowable for the aforesaid reasons regarding Claim 1-8.

New Claims 17-20 define subject matter that is disclosed in the specification to the present invention on page 6, lines 15-33. New Claims 17 and 19 define subject matter for the same key block to correspond to a subset of different device keys contained within the transmitter as taught in the specification to the present invention on page 6, lines 15-33. New Claims 18 and 20 define subject matter for the receiver using the first decryptor and the key block to retrieve the authorization key as taught in the specification to the present invention on page 6, lines 15-33. Therefore, examination of new Claims 17-20, will not result in the introduction of new matter into the present application for invention.

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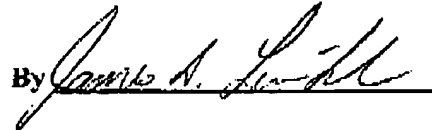
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Applicant is not aware of any additional patents, publications, or other information not previously submitted to the Patent and Trademark Office which would be required under 37 C.F.R. 1.99.

In view of the foregoing amendment and remarks, the Applicant believes that the present application is in condition for allowance, with such allowance being, respectfully, requested.

Respectfully submitted,

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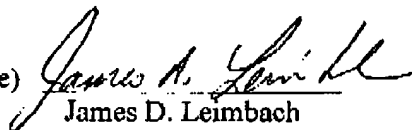
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